

Title (en)

Transfer case with two planetary gear sets having a common carrier

Title (de)

Verteilergetriebe mit zwei in einem Gehäuse integrierten Umlaufgetriebe

Title (fr)

Boîte de transfert avec deux transmissions planétaires intégrées dans un carter commun

Publication

EP 1449706 A2 20040825 (EN)

Application

EP 04250578 A 20040203

Priority

US 36941903 A 20030218

Abstract (en)

A common carrier assembly (114) that is particularly adapted for use in supporting planetary gear sets (80, 82) used in a four-wheel drive vehicle transfer case (16). The common carrier (114) includes a drive plate (140), a differential plate (144), and a reduction plate (142). The drive plate (140) positioned between the reduction planetary gear set (80) and the differential planetary gear set (82). The drive plate (140) selectively engages a clutch (118, 180) that operates to position the reduction gear set (80) in various operation modes. <IMAGE>

IPC 1-7

B60K 17/346

IPC 8 full level

F16H 57/02 (2006.01); **B60K 17/346** (2006.01); **F16H 48/10** (2006.01); **F16H 63/30** (2006.01)

CPC (source: EP KR US)

B60K 17/3462 (2013.01 - EP US); **B60K 17/3467** (2013.01 - EP US); **E04G 21/32** (2013.01 - KR); **F16B 1/00** (2013.01 - KR); **F16B 2200/81** (2023.08 - KR); **F16H 63/304** (2013.01 - EP US)

Cited by

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